The purpose of the application is to provide sufficient information to persuade the Coast Guard that the proposed material or process represents an innovative approach to an aerospace or process problem experienced by Coast Guard aviation. Beyond that, the application should convince the Coast Guard that the material or process has a reasonable chance of meeting the objective, that the approach is innovative, not routine, and that the manufacturer has the capability to implement the material or process. Once completed, the original Manufacturer's Application for Introduction of Materials and Processes shall be mailed to the following address.

Commanding Officer
USCG Aircraft Repair & Supply Center
Attn: Industrial Systems Manager (ISM)
1664 Weeksville Rd.
Elizabeth City, NC 27909–5001

U.S. COAST GUARD
AIRCRAFT REPAIR AND SUPPLY CENTER
CGTO−PG−85−00−110
Enclosure (10)

MANUFACTURER'S APPLICATION FOR INTRODUCTION OF MATERIALS AND PROCESSES

1. COMPANY INFORMATION (Include Commercial and Government Entity (CAGE) Code)

Name, Address, and Zip Code	CAGE Code	Technical Point of Contact (Name, Address, Zip Code, and Phone

2. STATEMENT OF NEED (Define the specific technical problem or opportunity addressed and its importance.)

Consideration given to:	YES	NO
a. Application		
b. Removal		
c. Operating environment		
d. Maintenance environment		
e. Maintainability		

3. PERFORMANCE SPECIFICATIONS AND PRODUCT INFORMATION

a. Complete description of product:

1) Part number

2) Common name (e.g., trade name, brand name, generic name)

3) Intended applications

b. Purchase description used by other government activities or as used in commercial transactions:

c. Length of time product has been produced:

d. Product data/performance characteristics: (Attach technical specification/product data sheets; product instructions which relate to application/use of product including time/temperature curing scenarios if applicable. Specify desgin service temperature and shelf−life/storage stability. Note: submission of advertising brochures is discouraged.)

e. Brief description of reliability design program: (include elements: e.g., thermal analysis; failure modes and effects; environmental stress screening; shock and vibration analysis; system reliabilty testing)

f. Applicable regulatory and de facto standards:

g. Availability of product samples:

h. Cost drivers in the use of this product:

i. List of products and company services satisfying identical or similar service requirements:

j. Discuss average time between product changes and practice of providing continued inventories, upgrade, or production for phased−out product (plans for handling upgrades and obsolescence).

4. TEST DATA (Used to verfiy claims of product performance. Note: testimonials do not qualify as test data.)

	YES	NO		YES	NO
Manufacturer's test results attached.			Certification or test results from independent test organizations attached.		

5. HAZARDOUS MATERIAL, ENVIRONMENTAL DATA

	YES	NO		YES	NO
a. Attach current Material Safety Data Sheet (MSDS).			d. Attach copies of any toxicity study reports involving laboratory animals subjected to dusts/vapors from the product, its ingredients, or its pyrolysis products, when burned or severely heated.		
b. Attach product label that complies with OSHA Hazard Communication Standard (29CFR1910.1200).					
c. Attach copies of any industrial hygiene survey reports which address potential health hazards related to working with the product.			e. Attach copies of laboratory reports which address the compostion and magnitude of pyrolysis products emitted from the product when it is involved in a fire or otherwise severely heated/allowed to contact molten metal, etc.		

f. Document product compliance with (attach documentation to validate responses):

1) Provisions of the Federal Clean Air Amendments Act

2) State and Local Laws

3) Provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP)

g. Product safety issues as experienced by similar users:

6. MAINTAINABILITY DATA

a. What are the maintainability features of the product? (e.g., reparability, cleanability, stripability)?	b. What are the limitations, if any, on organizational−level support (can the system be supported and maintained by the user or is organic support required)?

7. MARKET ACCEPTANCE DATA

	YES	NO		YES	NO
a. Is the material or process designed for, already in the aerospace sector (commercial and/or military)?			b. Is the product a commercially available Off−The−Shelf item (as defined by the Federal Acquisition Regulation (FAR) 2.101)?		
			c. Is there a need for any pre−production or production qualification testing and special quality assurance requirements?		

d. Length of time the product has been on the market or available for sale.	e. Annual sales (number of units sold).
f. Reliability and performance of the product.	g. Anticipated future orders.
h. Description of quality controls.	j. Has analysis been conducted to determine Coast Guard annual usage?

8. SUPPORT DATA

a. Stability of current configuration and technology (provide criteria for establishing stability).	b. What is the reliability history of the product as experienced by similar users? In what environments (e.g., service life, corrective maintenance actions)?
c. What is the product quality and maintainability experience of similar users?	d. What are the requirements for manpower and personnel (number of personnel by skill type required for operation and maintenance)?
e. What are the requirements for and availabilty of special tools and/or test equipment?	f. How are customers supported (e.g., customer service; application, installation product instructions)?
g. What special training is needed and what are the training support requirements?	h. What training sources are available to customers?
i. How will product upgrades be introduced and provided?	j. What is the commitment to out−year support?
k. What is product availability and lead−time?	

9. SUPPLIER CAPABILITY

a. Number of suppliers.	b. Size and location of suppliers and their current markets.

c. Product distribution channels.	d. Business practices in sales and distribution (e.g., from manufacturer to wholesaler to distributor or retailer to user).
e. Production capacity to meet projected requirements.	f. Packaging, handling, storage, and transportation practices.

10. BUSINESS DATA

a. Minimum order quantities.	b. Pricing data.
c. Typical contract terms and conditions.	d. Warranty terms and practices.

11. REFERENCES (List of users currently using the product in similar environments and applications applicable to Coast Guard aviation.)

Name , Address, Zip Code, POC and Phone Number	Name , Address, Zip Code, POC and Phone Number
Name , Address, Zip Code, POC and Phone Number	Name , Address, Zip Code, POC and Phone Number

12. CERTIFICATION AND SIGNATURE. I certify the above information is true and correct to the best of my knowledge. I further certify that should the product not be qualified to a recognized and/or applicable standard and, following the Coast Guard's review of this application, laboratory testing is deemed necessary, the burden of such testing, including the logistics of and all costs associated with such testing, shall be the sole responsibility of the manufacturer. I acknowledge that the Coast Guard does not possess the capability to test and evaluate most materials and processes, and possesses no capability to qualify materials and processes.

a. Typed Name and Title of Certifying Official	b. Signature and Date	c. Telephone (Include Area Code)

13. REQUIRED DISTRIBUTION

X	a. ARSC ISM		
X	b. ARSC Aging Aircraft Branch		
X	c. ARSC CO/COR		

INSTRUCTIONS TO APPLICANTS

1. Complete this application in its entirety. Blocks which have no applicablity should be annotated with N/A.
2. Be direct, concise, and informative utilizing the space provided. Your submission of this application should be based on an innovative and cost effective approach to a technical problem or opportunity, within Coast Guard aviation.
3. This application will be scrutinized for factors which will benefit Coast Guard aviation (e.g., enhance performance characteristics, cost benefits, labor reductions, reduced cycle time, reduction or elimination of adverse health effects and environmental pollutants).
4. Submit the completed "Manufacturer's Application For Introduction Of Materials and Processes" along with product performance data, detailed test data, current MSDS, other Hazardous Material and Environmental documentation to:

Commanding Officer
USCG Aircraft Repair & Supply Center
Attn: Industrial Systems Manager (ISM)
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